

INTERNATIONAL SEARCH REPORT

International Application No
EP 02/13514

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B10/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 381 341 A (AMERICAN TELEPHONE & TELEGRAPH) 8 August 1990 (1990-08-08) column 3, line 14 -column 3, line 40 column 7, line 27 -column 8, line 14 column 9, line 29 -column 9, line 33 column 9, line 47 -column 9, line 67; claims 1,10; figures 1,4	1-15
Y	DE 196 28 321 C (UNIV DRESDEN TECH) 15 January 1998 (1998-01-15) page 2, line 33 -page 2, line 46; claims 1,2; figure 1	1-15
A	US 5 400 165 A (KURTZKE CHRISTIAN ET AL) 21 March 1995 (1995-03-21) cited in the application abstract; claims 1,11,21,25; figure 1A -/-	7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

7 August 2003

Date of mailing of the international search report

19/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TAKENOUCHI H ET AL: "AN OPTICAL PHASE-SHIFT KEYING DIRECT DETECTION RECEIVER USING A HIGH-RESOLUTION ARRAYED-WAVEGUIDE GRATING" OFC/I00C '99 OPTICAL FIBER COMMUNICATION CONFERENCE / INTERNATIONAL CONFERENCE ON INTEGRATED OPTICS AND OPTICAL FIBER COMMUNICATION. SAN DIEGO, CA, FEB. 21 - 26, 1999, OPTICAL FIBER COMMUNICATION CONFERENCE / INTERNATIONAL CONFERENCE ON INTEGRATED OP, 21 February 1999 (1999-02-21), pages 213-215, XP001153084 ISBN: 0-7803-5430-3 cited in the application the whole document</p> <p>-----</p>	1-15

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0381341	A	08-08-1990	US	5027435 A		25-06-1991
			CA	2006125 A1		27-07-1990
			EP	0381341 A2		08-08-1990
			JP	2234525 A		17-09-1990
DE 19628321	C	15-01-1998	DE	19628321 C1		15-01-1998
US 5400165	A	21-03-1995	AU	682527 B2		09-10-1997
			AU	7280294 A		23-03-1995
			CA	2122381 A1		11-03-1995
			EP	0643497 A1		15-03-1995
			JP	7154327 A		16-06-1995